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(71) Applicant
David Henry Ferguson,
80 Mead Avenue Langley, Slough, Berks.

(72) Inventor
David Henry Ferguson

(74) Agent and/or address for service
David Henry Ferguson, 80 Mead Avenue Langley,
Slough, Berks.

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(56) Documents cited
GB A 2097678 GB 1260140
GB A 2070433 GB 1221089
GB 1320891 EP A2 0092784

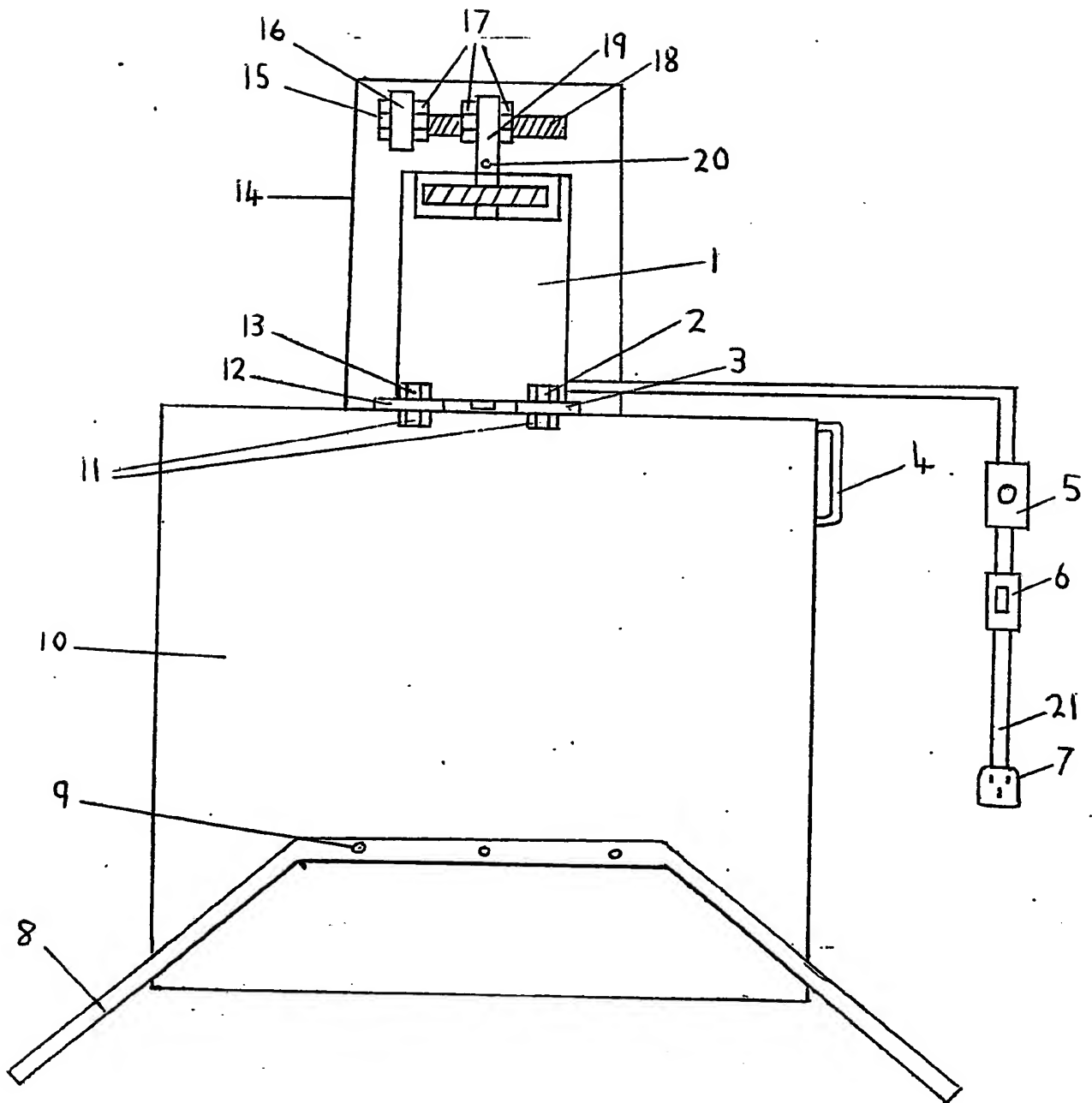
(58) Field of search
A5R
A4L
Selected US specifications from IPC sub-class A61H

(54) Portable rocking vibrating massage device for divan bed

(57) A portable massage device for applying vibrations to a bed via a galvanised sheet comprises an electric motor carrying eccentrically-mounted weights.

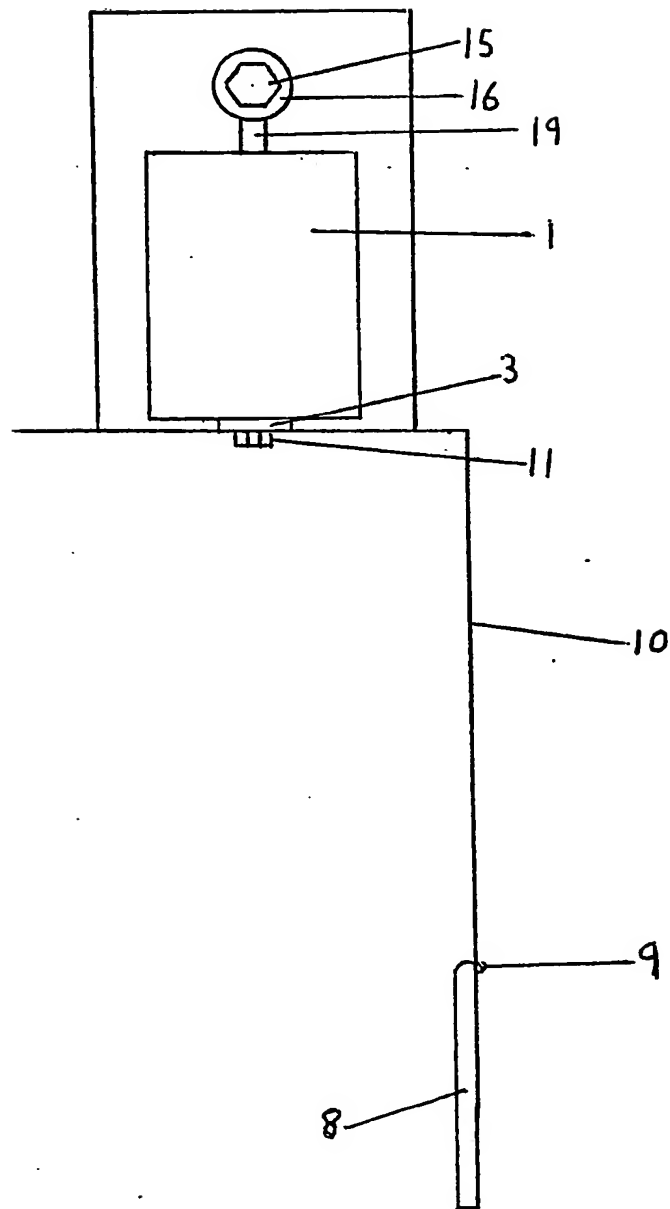
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FIG. 1.



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FIG 2.



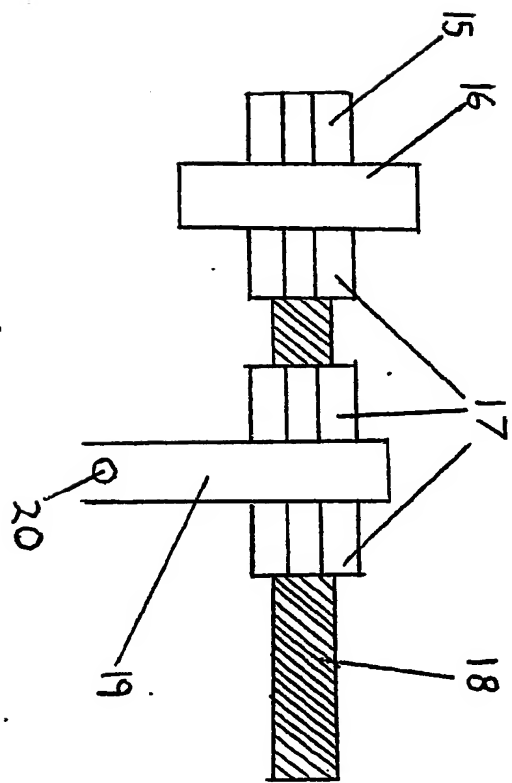


FIG. 3.

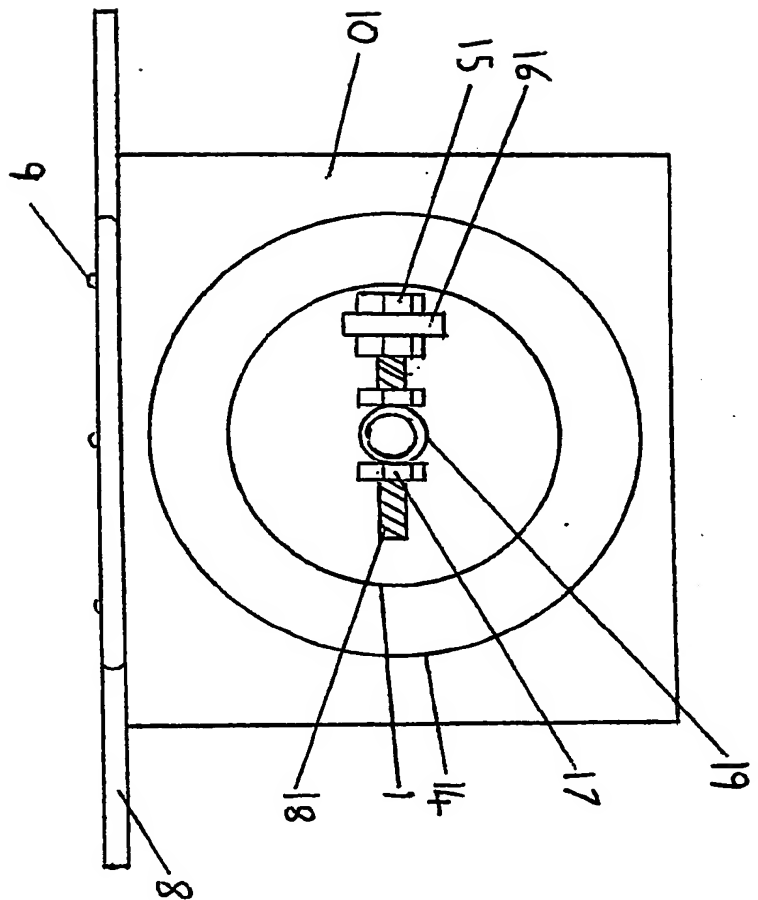


FIG. 4.

SPECIFICATION

Portable rocking vibrating massage device for divan bed

5 Description of working principle of device.

With reference to plan. When electric is flowing through electric motor (1) causing the weight to spin, the weight (16) puts the electric motor (1) off centre causing the electric motor (1) to vibrate or rock the galvanised iron sheet (10). The vibration or rocking is then transferred from the galvanised iron sheet (10) through the 15 mm copper tube (8) in to the spring mattress of the divan bed causing the mattress to rock or vibrate the rocking and vibrating can be speeded up or slowed down by turning the knob around on the adjusting current switch (5) speeding up the device vibrates; slowed down the device rocks the mattress.

20 For use with cots and prams

Can be scaled down smaller and powered by battery for infant children because the rocking action has a calming effect on infants.

25 Method of placing the device between mattress and divan referring to plan

The device is carried by the handle to the divan bed the end of the mattress is lifted then device is placed with the galvanised iron sheet (10) flat in between the mattress and divan base like a sandwich. The 13 amp plug is then pushed into the electric socket and switch on the person then lays on the bed with the controls (5) and (6) in their hand.

35 slowed down by turning the knob around on the adjusting current switch (5).

List of effect and uses for health and fitness

- 40 Tones up muscles.
Helps blood circulation.
Relieves aches and pains.
Relaxes nervous tension.
Aids sleep with the rocking motion.
Makes you feel vibrant.
- 45 Massages muscles.
Helps rheumatism.

Key to drawings

- 50 No.
1 Electric motor
2 Nut

- 3 Rubber mounting washer
4 Handle
55 5 Adjusting current switch
6 On/off switch
7 13 amp plug
8 15 mm copper tube
9 4 mm rivet
60 10 2 mm galvanised iron sheet
11 6 mm bolts, 6 mm ww
12 Rubber mounting washer
13 Nut
14 Motor cover
65 15 Bolt 6 mm Witworth thread
16 Lead weight 85 g
17 Nuts
18 Thead 6 mm Witworth thread
19 Motor spindle
70 20 Split pin
21 Electric cable

CLAIMS

- 75 1. A portable rocking vibrating massage device for divan bed comprising a galvanised sheet motor and weight mechanism can be placed under most divan beds and is provided with a current control switch and carrying handle.
- 80 2. A portable rocking vibrating massage device for divan bed as claimed in Claim 1, wherein can be placed under any divan bed.
- 85 3. A portable rocking vibrating massage device for divan bed as claimed in Claim 1 or Claim 2 is provided with a current control switch for the person laying on the bed.
- 90 4. A portable rocking vibrating massage device for divan bed as claimed in Claim 2 or Claim 3 wherein the galvanised sheet which vibrates or rocks the mattress can be controlled.
- 95 5. A portable rocking vibrating massage device for divan bed as claimed in Claim 1 is soothing for aches, pains and similar ailments.
- 100 6. A portable rocking vibrating massage device for divan bed as claimed in any preceeding claim wherein it is provided with a carrying handle.
7. A portable rocking vibrating massage device for divan bed as claimed in Claim 1 wherein the weight mechanism can be adjusted for different strengths of mattresses.
8. A portable rocking vibrating massage device for divan bed substantially as described herein with reference to Figs. 1—4 of the accompanying drawings.